

Title (en)
OPEN BOTTOM ELECTRIC INDUCTION COLD CRUCIBLE FOR USE IN ELECTROMAGNETIC CASTING OF INGOTS AND METHOD OF CASTING IN THE CRUCIBLE

Title (de)
UNTEN OFFENER ELEKTRISCH INDUKTIVER KALTIEGEL ZUR VERWENDUNG BEIM ELEKTROMAGNETISCHEN GIESSEN VON ROHBLÖCKEN UND GIESSVERFAHREN IN DIESEM KALTIEGEL

Title (fr)
CREUSET FROID À INDUCTION ÉLECTRIQUE À FOND OUVERT À UTILISER DANS COULÉE ÉLECTROMAGNÉTIQUE DE LINGOTS ET MÉTHODE DE COULAGE UTILISANT CE CREUSET

Publication
EP 2686122 A2 20140122 (EN)

Application
EP 12757811 A 20120307

Priority
• US 201161452408 P 20110314
• US 2012028064 W 20120307

Abstract (en)
[origin: US2012236898A1] An open bottom electric induction cold crucible with a slotted wall extending below one or more induction coils surrounding the partial exterior height of the crucible is used in an electromagnetic casting process for the production of ingots. A bottom magnetic shield is provided around the outer perimeter of the crucible's slotted wall in the vicinity of the bottom opening and the bottom termination of the wall slots and the bottom connecting member.

IPC 8 full level
B22D 11/115 (2006.01); **B22D 7/12** (2006.01); **B22D 11/00** (2006.01); **B22D 11/14** (2006.01); **B22D 23/06** (2006.01); **B22D 27/02** (2006.01); **B22D 41/005** (2006.01); **C30B 11/00** (2006.01); **C30B 29/06** (2006.01); **F27B 14/06** (2006.01); **F27B 14/10** (2006.01); **F27B 14/14** (2006.01)

CPC (source: EP KR US)
B22D 11/001 (2013.01 - EP US); **B22D 11/115** (2013.01 - EP KR US); **B22D 11/141** (2013.01 - EP US); **B22D 23/06** (2013.01 - EP US); **B22D 27/02** (2013.01 - EP KR US); **B22D 41/005** (2013.01 - KR); **C30B 11/001** (2013.01 - EP US); **C30B 11/002** (2013.01 - EP US); **C30B 11/003** (2013.01 - EP US); **C30B 29/06** (2013.01 - EP US); **F27B 14/061** (2013.01 - EP US); **F27B 14/10** (2013.01 - EP US); **F27B 14/14** (2013.01 - EP US)

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